INDEX OF VOLUME XIII.

Acanalonia pumila, 112.
Alexander, Charles P., articles by, 249, 402.
Allodicrania, 408.
Ant Guests from Fiji and the British Solomon Islands, 60.
Anthomyia radicum External anatomy of 201.
Antichaeta, 317.
  analis, 317.
  melanosoma, 317.
  robiginosa, 317.
  testacea, 317.
Antocha, 252.
  javanensis, 252.
Aphids and Coccids Life Cycle, 156.
Aphis avenæ, hatching of eggs, 391.
  pomi, hatching of eggs of, 391.
Apterygota, 133.
Aradidæ, Mouth Parts of, 121.
Atarba, 254.
  fuscicornis, 255.
  pallidicornis, 254.

Ball, E. D., articles by, 83, 143.
Bardistopus papuanum, 61.
Bezzi, Dr. M., article by, 408.
Brithura, 263.
  conifrons, 263.
Bruchomyia n gen, 403.
  argentina, 405.
Bruchomyiinæ n subf., 403.

Chamberlin, Ralph V., article by, 271.
Chapman, E. N., article by, 174.
Clover leaf-weevil, hibernation of, 101.
Cockerell, T. D. A., article by, 190.
Coleoptera, Life Cycle, 174.
Corydalis cornuta, Hatching in, 70.
Crane-Flies from Formosa, 249.

Deltocephalus littoralis, 110.
  marinus, 110, 111.
Dicrania, Correct Name of, 408.
Dicranomyia, 252, 408.
  puncticosta, 252.
Dictenidia, 261.
  formosana, 261.
Dictya Meigen, 322.
  umbrarum, 322.
Dictomyia, 321.
  ambigua, 321.
Dictyophara microrhina, 112.
Diptera, Life Cycle, 180.
Dozier, H. L., article by, 325.
Dryomyza, 310.
  dayi, 310.
  ferruginea, 310.
  maculipennis, 310.
DuPorte, E. M., article by, 16.

Ecological Study of Hammock and Piney Woods Insects in Florida, 325.
Elephella, 408.
Elgiva, 322.
  lineata, 322.
Entomology, The Development of, 1.
Entomology in U. S. National Museum, 131.
Eriocera, 259.
  lygropis, 259.
  sauteriana, 259.
Erioptera, 255.
  alboguttata, 255.
  minuscula, 256.
  nigroapicalis, 255.
Euthycera, 321.
  arcuata, 321.
  borealis, 321.
Ewing, H. E., article by, 381.

Florida Insects, Ecological Study of, 325.
Folsom, J. W., article by, 133.
Forbes, S. A., article by, 193.
Fracker, S. B., article by, 167.
Fustiger cribratus, 64.
  levuanus, 65.
  raffrayi, 63.
  vitiensis, 63.
  wasmanni, 66.

Gnophomyia, 258.
  signata, 258.
Gonomyia, 257.
  pruinosa, 257.
Gryllus Assimilis, Muscular System of, 16.
Gyponana, 85.
Gypona, 83.
  abjecta, 100.
  atilanta, 100.
  angulata, 90.
  cinerea, 91.
    var. cinerea, 92.
    var. kansana, 91.
    var. ponderosa, 91.
    var. subta, 92.
  curiata, 97.

Gypona
dorsalis, 87.
dracontea, 85.
dohrni, 97.
fraudulenta, 93.
irrorella, 98.
glauca, 100.
marginifrons, 98.
melanota, 100, 87.
miliaris, 92.
octolineata, 85.
var. octolineata, 85.
var. striata, 86.
var. pruinosa, 86.
rugosa, 86.
resima, 99.
sanguinolenta, 98.
scarlatina, 94.
var. citrina, 96.
var. limbatipennis, 95.
var. meditabunda, 96.
var. pectoralis, 95.
var. puncticollis, 96.
var. rodora, 96.
var. scarlatina, 95.
var. vinula, 96.
unicolor, 89.
verticalis, 88.
Gypona, N. Am. Species of, 83.

Hammock Insects, Florida, 325.
Hatching of Eggs of Aphis, 391.
Hayes, W. P., and McCulloch, article by, 75.
Hedroneura, 322.
rufa, 322.
Helcomyza, 309.
mirabilis, 309.
Hemiptera Life Cycle, 142.
Hemitelopteryx, 317.
johnsoni, 317.
Herrick, G. W., article by, 101.
Heteromyza, 309.
glauca Coquillett, 309.
Hickernell, L. M., article by, 223.
Holland, W. J., article by, 1.
Hoplodictya, 321.
kincaidi, 321.
setosa, 321.
spinicornis, 321.
Hydroschendyla, 278.
submarina, 278.
Hymenoptera Life Cycle, 190.
Hypera punctata, 101.

Insects of Between Tide Zone, 108.

Julus, 272.
bermudanus, 273.
moreleti, 272.
nesophilus, 274.

Kaisia oceanica, 67.

Lachnosterna,
calceata, 76.
corrosa, 76.
crassimana, 76, 79.
crenulata, 77.
glabricula, 76.
hirtiventris, 76.
longitarsis, 76.
praetermissa, 75.
tristis, 76.
Lachnosterna, Genitalia of, 75.
Lepidoptera Life Cycle, 167.
Libnotes, 250.
regalis, 250.
Liburnia detecta, 115.
Limnia, 323.
Boscii, 323.
Boscii var sparsa, 323.
costalis, 323.
costalis var brevicostalis, 323.
costalis var vittata, 323.
georgiæ, 324.
louisianæ, 324.
louisianæ var septentrionalis, 324.
pubescens, 323.
saratogensis, 324.
saratogensis var armipes, 324.
saratogensis var severa, 324.
saratogensis var ottawensis, 324.
shannoni, 323.
Limnobia, 251.
atridorsum, 251.
Limnophila, 258.
formosa, 258.
Liphyra brassolis, 69.
Lithobius, 280.
provocator, 280.

McColloch, J. W., and Hayes, W. P., article by, 75.
Mann, W. M., article by, 60.
Mecistocephalus, 278.
maxillaris, 278.
Megamelanus elongatus, 114.
spartina, 113.
Megamelus marginatus, 114.
Melander, A. L., article by, 305.
Melina, 313.
albocostata, 314.
albovaria, 314.
annulipes, 314.
brunnipes, 316.
fuscipes, 314.
griseola, 314.
grisescens, 316.
guttata, 315.
luctifera, 315.
nana, 315.
obtusa, 315.

Melina
palustris, 315.
pubera, 314.
schoenherri, 316.
similis, 315.
tenuipes, 314.
trabeculata, 315.
trivittata, 316.
ventralis, 315.
vitalis, 315.
Metcalf, C. L., article by, 180.
Metcalf, Z. P., and Osborn, H., article by, 108.
Microspirobolus, 276.
excursans, 276.
Minutes of Annual Meeting, 123.
Molophilus, 257.
costalis, 257.
Myndus enotatus, 113.
Myriopod Fauna of Bermuda, 271.
Myrmecophila hebardi, 60.

Nadarimanu, 65.
Nadarimanu alewa, 65.
Nearctic Tetanoceridæ Review, 305.
Neuroctena, 311.
anilis, 311.
fumida, 311.
simplex, 311.
Neuroctenus simplex, 122.

Orthomorpha, 277.
coarctata, 277.
Orthopterois orders, 137.
Osborn, H., and Metcalf, Z. P., article by, 108.

Paratropeza, 253.
hyalipennis, 253.
ornatipennis, 254.
shirakii, 254.
Patch, E. M., article by, 156.
Periodical Cicada, Digestive System of, 223.
Peterson, Alvah, article by, 391.
Piney Woods Insects, Florida, 325.
Poecilographa, 320.
decora, 320.
Pselliophora, 262.
ctenophorina, 262.
scalator, 262.
Pteromicra, 312.
albicalceata, 312.
apicata, 312.
glabricula, 312.
leucothrix, 312.
melanothrix, 312.
nigrimana, 312.

Renocera, 319.
amanda, 319.
brevis, 319.
cyathiformis, 319.
johnsoni, 319.
longipes, 319.
quadrillineata, 319.
Rhinocricus, 275.
ectus, 275.
monilicornis, 275.

Sciomyza, 312.
aristalis, 312.
simplex, 312.
varia, 312.
Scolopendra, 277.
subspinipes, 277.
Scutigera, 283.
coleoptrata, 283.
Semans, H. L., article by, 201.
Sepedon, 331.
armipes, 331.
caeruleus, 331.
fuscipennis, 331.
macropus, 331.
pacifica, 331.
pusillus, 331.
tenuicornis, 331.
Smith, R. C., article by, 70.
Spooner, C. S., article by, 121.
Stichocera, 408.
Strongylosoma, 277.
guerinii, 277.
Styringomyia, 252.
flavitarsis, 252.
Symposium on the Life Cycle in Insects, 133.

Tanyderidæ, 402.
Tanyderid Flies, 402.
Tetanocera, 326.
clara, 326.
elata, 328.
ferruginea, 327.
montana, 328.
obtusifibula, 327.
papillifera, 327.
plebeia, 326.
phyllophora, 328.
silvatica, 326.
soror, 327.
spirifera, 327.
triangularis, 327.
unicolor, 328.
valida, 326.
vicina, 326.
rotundicornis, 328.
Tibicen septendecem, Digestive System, 223.
Tibicen viridifascia, 109.

Tipula, 264.
bicornuta, 267.
formosicola, 268.
holoserica, 264.
nova, 269.
pluriguttata, 269.
shirakii, 264.
subapterogyne, 266.
tridentata, 265.
Tipulidæ from Formosa, 249.
Tricyphona, 260.
formosana, 260.
Trombicula in Am. and Orient, 381.
Trombicula canestrinii, 389, 390.
cinnabaris, 387.
coarctata, 382, 390.
formicarum, 389, 390.
minor, 385, 389.
splendens, 386, 390.
Trypetoptera, 321.
canadensis, 321.

Walker, E. M., article by, 137.